

1646

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

TECH CENTER 1600/2900

NOV 13 2001

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The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/866,248

RECEIVED #6

Source: O1PE

OCT 24 2002

Date Processed by STIC: 6/19/2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Applies to CDR

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Raw Sequence Listing Error Summary

TECH CENTER 1600/2900

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <u>09/866,248</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHIA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X. (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input checked="" type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input checked="" type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	

AMC - Biotechnology Systems Branch - 06/04/2001

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OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,248

DATE: 06/19/2001

TIME: 12:31:16

Input Set : A:\57155A.txt
 Output Set: N:\CRF3\06192001\I866248.raw

P.6
 Does Not Comply
 Corrected Diskette Needed

5 <110> APPLICANT: Gerald, Christophe P.G.
 7 Jones, Kenneth A.
 9 Bonini, James A.
 11 Borowsky, Beth
 15 <120> TITLE OF INVENTION: DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
 17 and Uses Thereof
 21 <130> FILE REFERENCE: 1795/57155-A
 -> 25 <140> CURRENT APPLICATION NUMBER: US/09/866,248
 -> 27 <141> CURRENT FILING DATE: 2001-05-25
 31 <150> PRIOR APPLICATION NUMBER: 09/161,113
 33 <151> PRIOR FILING DATE: 1998-09-25
 37 <160> NUMBER OF SEQ ID NOS: 42
 41 <170> SOFTWARE: PatentIn Ver. 2.0 - beta
 45 <210> SEQ ID NO: 1
 47 <211> LENGTH: 1410
 49 <212> TYPE: DNA
 51 <213> ORGANISM: Rattus norvegicus
 55 <400> SEQUENCE: 1
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 59 ggagcagaca gtatggaggc ggagccctcc cagcctccca acggcagctg gcccctgggt 120
 61 cagaacggga gtatgtggc gaccagcatg gcaaccagcc tcaccttctc ctctactac 180
 63 caacactcct ctcccggtggc agccatgttc atcgccgcct acgtgtctat cttccctcctc 240
 65 tgcattgtgg gcaacaccct ggtctgttcc attgtgtctca agaaccggca catgcgcact 300
 67 gtcaccaaca tggttatcct caaccgtggcc gtcagcgacc tgctgggtggg catcttctgc 360
 69 atgcccacaa cccttggc gaaatgttcc actgggtggc ctttgacaa cgccacatgc 420
 71 aagatgagcg gcttgggtgca gggcatgtcc gtgtctgtat cggttttac actgggtggcc 480
 73 atcgctgtgg aaagggttccg ctgcacatgtg cacccttcc gcgagaagct gacccttcgg 540
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 77 gcggtcaactc tgacagtca cccgagaggag catcaattca tgctggatgc tcgtaaccgc 660
 79 tcctaccgc tctactcggt ctggggaggcc tggcccgaga agggcatgcg caaggcttac 720
 81 accgcgggtgc tcttcgcgcgca catctacctg gtgcgtgtgg cgctcatcgat agtgtatgtac 780
 83 gtgcgcacatcg cgcccaagct atgcacggcc cccggctctg cgccgcacac ggaggaggcg 840
 85 gtggccgagg gtggccgcac ttgcgcgtt agggcccgcg tggtgacat gctggatcg 900
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 93 aacttccgcg ccggcttcca ggctgccttc cgtgcacagc tctgtgtggcc tccctgggc 1140
 95 gccccacaagc aacgcctactc ggagcggccc aaccgcctcc tgccgcaggcg ggtgggtgg 1200
 97 gacgtgcac ccagcgactc cggcctgcca tcaagatgtg gcccacgcg cgggggtccca 1260
 99 gggcctggcc ggctgcccact ggcataatggg cgtgtggccc atcaggatgg cccgggggaa 1320
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 109 <211> LENGTH: 432
 111 <212> TYPE: PRT
 113 <213> ORGANISM: Rattus norvegicus
 117 <400> SEQUENCE: 2

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PATENT APPLICATION: US/09/866,248

DATE: 06/19/2001

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Input Set : A:\57155A.txt

Output Set: N:\CRF3\06192001\I866248.raw

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 127 20 25 30
 131 Ser Ser Tyr Tyr Gln His Ser Ser Pro Val Ala Ala Met Phe Ile Ala
 133 35 40 45
 137 Ala Tyr Val Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
 139 50 55 60
 143 Cys Phe Ile Val Leu Lys Asn Arg His Met Arg Thr Val Thr Asn Met
 145 65 70 75 80
 149 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
 151 85 90 95
 155 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
 157 100 105 110
 161 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
 163 115 120 125
 167 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
 169 130 135 140
 173 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Phe
 175 145 150 155 160
 179 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Leu Ile Met Cys Pro Ser
 181 165 170 175
 185 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Leu Asp
 187 180 185 190
 191 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
 193 195 200 205
 197 Glu Lys Gly Met Arg Lys Val Tyr Thr Ala Val Leu Phe Ala His Ile
 199 210 215 220
 203 Tyr Leu Val Pro Leu Ala Leu Ile Val Val Met Tyr Val Arg Ile Ala
 205 225 230 235 240
 209 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Arg Asp Thr Glu Glu Ala
 211 245 250 255
 215 Val Ala Glu Gly Gly Arg Thr Ser Arg Arg Arg Ala Arg Val Val His
 217 260 265 270
 221 Met Leu Val Met Val Ala Leu Phe Phe Thr Leu Ser Trp Leu Pro Leu
 223 275 280 285
 227 Trp Val Leu Leu Leu Leu Ile Asp Tyr Gly Glu Leu Ser Glu Leu Gln
 229 290 295 300
 233 Leu His Leu Leu Ser Val Tyr Ala Phe Pro Leu Ala His Trp Leu Ala
 235 305 310 315 320
 239 Phe Phe His Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu
 241 325 330 335
 245 Asn Phe Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Gln Leu Cys Trp
 247 340 345 350
 251 Pro Pro Trp Ala Ala His Lys Gln Ala Tyr Ser Glu Arg Pro Asn Arg
 253 355 360 365
 257 Leu Leu Arg Arg Arg Val Val Val Asp Val Gln Pro Ser Asp Ser Gly
 259 370 375 380
 263 Leu Pro Ser Glu Ser Gly Pro Ser Ser Gly Val Pro Gly Pro Gly Arg

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/866,248

DATE: 06/19/2001
TIME: 12:31:16

Input Set : A:\57155A.txt
Output Set: N:\CRF3\06192001\I866248.raw

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265 385           390           395           400
269 Leu Pro Leu Arg Asn Gly Arg Val Ala His Gln Asp Gly Pro Gly Glu
271           405           410           415
275 Gly Pro Gly Cys Asn His Met Pro Leu Thr Ile Pro Ala Trp Asn Ile
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293 <212> TYPE: DNA
295 <213> ORGANISM: Homo sapiens
299 <400> SEQUENCE: 3
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303 gccaccccg ctacaaacct caccatttcc tcctactatc agcacacctc ccctgtggcg 120
305 gccatgttca ttgtggccata tgcgctcatc ttccctgtct gcattgggg caacaccctg 180
307 gtctgtttca tggcgctcaa                                         200
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313 <211> LENGTH: 66
315 <212> TYPE: PRT
317 <213> ORGANISM: Homo sapiens
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331           20          25          30
335 Tyr Gln His Thr Ser Pro Val Ala Ala Met Phe Ile Val Ala Tyr Ala
337           35          40          45
341 Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val Cys Phe Ile
343           50          55          60
347 Val Leu
349   65
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359 <212> TYPE: DNA
361 <213> ORGANISM: Homo sapiens
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371 aatattaccc atgtgaacta ctatcttcac cagcctcaag tggcagcaat cttcattttt 180
373 tcctactttc tgatctttt tttgtgcattg atggaaata ctgtggttt ctttatttta 240
375 attaggaaaca aacatatgca cacagtcaat aatctttca tcttaaaccc ggccataagt 300
377 gatttactag ttggcatatt ctgcattgcataataacactgc tggacaataat tatagcagga 360
379 tggccattttt gaaacacgat gtgcaggatc agtggattgg tccaggaaat atctgtcgca 420
381 gcttcagtct ttacgttagt tgcaatttgcgtt gtagataggt tccagtgtgt ggtctaccct 480
383 tttaaaccaa agctcactat caagacagcg tttgtcattt ttatgtatcat ctgggtccata 540
385 gccatccacca ttatgtctcc atctgcaggat atgttacatg tgcaagaaga aaaatattac 600
387 cgagtggagac tcaactccca gaataaaacc agtccaggatc actgggtccg ggaagactgg 660
389 ccaaattcagg aatgaggaa gatctacacc actgtgtctt ttgccaacat ctacctggct 720
391 cccctctccc tcattgtcat catgtatgga aggattggaa tttacttctt caggctgca 780
393 gttccctcaca caggcaggaa gaaccaggag cagtgccacg tgggttccag gaagaagcag 840
395 aagatcatta agatgtccctt gattgtggcc ctgctttta ttctctcatg gctccccctg 900

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RAW SEQUENCE LISTING

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DATE: 06/19/2001

TIME: 12:31:16

Input Set : A:\57155A.txt

Output Set: N:\CRF3\06192001\I866248.raw

397 tggactctaa tgatgctc agactacgct gaccttctc caaatgaact gcagatcatc 960
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 401 atcattttatg gtttcttcaa cgagaatttc cgccgtgggt tccaagaagc tttccagctc 1080
 403 cagctctgcc aaaaaagagc aaaggctatg gaagcttatg ccctaaaagc taaaagccat 1140
 405 gtgctcataa acacatctaa tcagcttgc caggaatcta catttcaaaa ccctcatggg 1200
 407 gaaaccttgc tttatagggaa aagtgctgaa aaaccccaac aggaattagt gatggaagaa 1260
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 415 <211> LENGTH: 420
 417 <212> TYPE: PRT
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 437 Thr Tyr Val Asn Tyr Tyr Leu His Gln Pro Gln Val Ala Ala Ile Phe
 439 35 40 45
 443 Ile Ile Ser Tyr Phe Leu Ile Phe Phe Leu Cys Met Met Gly Asn Thr
 445 50 55 60
 449 Val Val Cys Phe Ile Val Met Arg Asn Lys His Met His Thr Val Thr
 451 65 70 75 80
 455 Asn Leu Phe Ile Leu Asn Leu Ala Ile Ser Asp Leu Leu Val Gly Ile
 457 85 90 95
 461 Phe Cys Met Pro Ile Thr Leu Leu Asp Asn Ile Ile Ala Gly Trp Pro
 463 100 105 110
 467 Phe Gly Asn Thr Met Cys Lys Ile Ser Gly Leu Val Gln Gly Ile Ser
 469 115 120 125
 473 Val Ala Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Asp Arg Phe
 475 130 135 140
 479 Gln Cys Val Val Tyr Pro Phe Lys Pro Lys Leu Thr Ile Lys Thr Ala
 481 145 150 155 160
 485 Phe Val Ile Ile Met Ile Ile Trp Val Leu Ala Ile Thr Ile Met Ser
 487 165 170 175
 491 Pro Ser Ala Val Met Leu His Val Gln Glu Glu Lys Tyr Tyr Arg Val
 493 180 185 190
 497 Arg Leu Asn Ser Gln Asn Lys Thr Ser Pro Val Tyr Trp Cys Arg Glu
 499 195 200 205
 503 Asp Trp Pro Asn Gln Glu Met Arg Lys Ile Tyr Thr Thr Val Leu Phe
 505 210 215 220
 509 Ala Asn Ile Tyr Leu Ala Pro Leu Ser Leu Ile Val Ile Met Tyr Gly
 511 225 230 235 240
 515 Arg Ile Gly Ile Ser Leu Phe Arg Ala Ala Val Pro His Thr Gly Arg
 517 245 250 255
 521 Lys Asn Gln Glu Gln Trp His Val Val Ser Arg Lys Lys Gln Lys Ile
 523 260 265 270
 527 Ile Lys Met Leu Leu Ile Val Ala Leu Leu Phe Ile Leu Ser Trp Leu
 529 275 280 285
 533 Pro Leu Trp Thr Leu Met Met Leu Ser Asp Tyr Ala Asp Leu Ser Pro

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,248

DATE: 06/19/2001

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Input Set : A:\57155A.txt

Output Set: N:\CRF3\06192001\I866248.raw

535 290 295 300
 539 Asn Glu Leu Gln Ile Ile Asn Ile Tyr Ile Tyr Pro Phe Ala His Trp
 541 305 310 315 320
 545 Leu Ala Phe Gly Asn Ser Ser Val Asn Pro Ile Ile Tyr Gly Phe Phe
 547 325 330 335
 551 Asn Glu Asn Phe Arg Arg Gly Phe Gln Glu Ala Phe Gln Leu Gln Leu
 553 340 345 350
 557 Cys Gln Lys Arg Ala Lys Pro Met Glu Ala Tyr Ala Leu Lys Ala Lys
 559 355 360 365
 563 Ser His Val Leu Ile Asn Thr Ser Asn Gln Leu Val Gln Glu Ser Thr
 565 370 375 380
 569 Phe Gln Asn Pro His Gly Glu Thr Leu Leu Tyr Arg Lys Ser Ala Glu
 571 385 390 395 400
 575 Lys Pro Gln Gln Glu Leu Val Met Glu Glu Leu Lys Glu Thr Thr Asn
 577 405 410 415
 581 Ser Ser Glu Ile
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 593 <212> TYPE: DNA
 595 <213> ORGANISM: Homo sapiens
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 603 aacactgagg ccacccggc tacaaacctc accttcttcct cctactatca gcacacccctcc 120
 605 cctgtggcgcc ccatgttcat tggccatgc ggcgttatct tcctgctctg catgtgggc 180
 607 aacaccctgg tctgtttcat cgtgtcaag aaccggcaca tgcatactgt caccacatg 240
 609 ttcatcctca acctggctgt cagtgacctg ctggggca tcttctgcat gcccaccacc 300
 611 cttgtggaca acctcatcac tgggtggccc ttcgacaatg ccacatgcaa gatgagcggc 360
 613 ttgggtgcagg gcatgtctgt gtccgtttcc gtttccacac tgggtggccat tgctgtggaa 420
 615 aggttccgct gcatcgtca cccttccgc gagaagctga ccctgcggaa ggcgtctg 480
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 631 ccgcagctgc acctggtcac cgtctacgcc ttccccctcg cgcactggct ggccttctc 960
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 657 <400> SEQUENCE: 8

09/866,248

6

<210> 9

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 9

gyntwyrynn tnwshgght ncc

→ see item 9 on End Summary Sheet
23

<210> 10

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer/probe

<400> 10

avnacngbrw avannanngg rtt

→ item 9

23

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/866,248

DATE: 06/19/2001
TIME: 12:31:17

Input Set : A:\57155A.txt
Output Set: N:\CRF3\06192001\I866248.raw

25 M:270 C: Current Application Number differs, Replaced Application Number
27 M:271 C: Current Filing Date differs, Replaced Current Filing Date
841 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
841 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
863 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:10
863 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10